

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M108983
Date Received: 10/31/06
Date Extracted: 11/02/06
Date Analyzed: 11/02/06
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: Metro K.C. Grab, PO# M108983
Lab ID: 610433-01 10x
Data File: 610433-01 10x.013
Instrument: ICPMS1
Operator: btb

Internal Standard:
Germanium

% Recovery:
97

Lower
Limit:
60

Upper
Limit:
125

Analyte:

Concentration
ug/L (ppb)

Chromium	2,530
Nickel	2,940
Copper	2,270
Zinc	83.9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	Metro K.C. Grab, PO# M108983
Date Extracted:	11/02/06	Lab ID:	I6-418 mb
Date Analyzed:	11/02/06	Data File:	I6-418 mb.008
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	97	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/10/06

Date Received: 10/31/06

Project: Metro K.C. Grab, PO# M108983, F&BI 610433

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS BY EPA METHOD 200.8

Laboratory Code: 611009-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	21.3	20.5	4	0-20
Nickel	ug/L (ppb)	312	309	1	0-20
Copper	ug/L (ppb)	69.3	68.3	1	0-20
Zinc	ug/L (ppb)	219	215	2	0-20

Laboratory Code: 611009-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	21.3	117 b	50-150
Nickel	ug/L (ppb)	20	312	196 b	50-150
Copper	ug/L (ppb)	20	69.3	110 b	50-150
Zinc	ug/L (ppb)	50	219	109 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	101	70-130
Nickel	ug/L (ppb)	20	102	70-130
Copper	ug/L (ppb)	20	102	70-130
Zinc	ug/L (ppb)	50	103	70-130

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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FAX: (206) 283-5044
e-mail: fbi@isomedia.com

November 10, 2006

DUPLICATE COPY

INVOICE # 06ACU1110-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro K.C. Grab, PO# M108983, F&BI 610433 - Results of testing
requested by Gerry Thompson for material submitted on October 31, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 200.8 @ \$80 per sample	\$ 80.00
Rush Charges (48 hr) 75% of \$80.00	<u>60.00</u>
Amount Due	\$ 140.00

FEDERAL TAX ID #(b) (6)

610433

SAMPLE CHAIN OF CUSTODY

ME 10/31/06

AIG

Send Report To

Company

Address

City, State, ZIP

Phone #

Fax #

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH ASAP

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
M108983	01	10/31/06	12:35	H2O	1											

Friedman & Bruya, Inc.

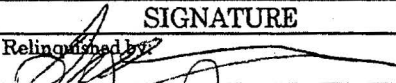
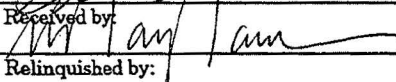
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: 	G. Thompson	Acw	10/31/06	2:11pm
Received by: 	Nhan Phan	FBI	10/31/06	2:11
Relinquished by:				
Received by:				

Samples received at 19 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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November 10, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on October 31, 2006 from the Metro K.C. Grab, PO# M108983, F&BI 610433 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU1110R